

Purified Anti-Human CD141 Antibody[1A4]

catalog number: AN015560P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

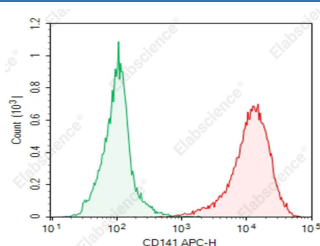
Reactivity	Human
Immunogen	Recombinant Human CD141 protein
Host	Mouse
Isotype	Mouse IgG1, κ
Clone	1A4
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications

Recommended Dilution

FCM $\leq 0.2 \mu\text{g}$ per million cells in 100 μL volume

Data



A431 were stained with 0.2 μg Purified Anti-Human CD141 Antibody[1A4] (Right) and 0.2 μg Mouse IgG1, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

CD141 is a 75 kDa, single chain, type I membrane glycoprotein referred to as thrombomodulin and fetomodulin. CD141 is expressed on endothelial cells, smooth muscle cells, epithelial cells, synovial lining cells, and keratinocytes. It is also found on megakaryocytes, dendritic cells, peripheral blood monocytes, and neutrophils, but not on lymphocytes. Reports indicate that CD141 plays an important role in Protein C activation and the initiation of the Protein C anticoagulant pathway. Thrombin loses its procoagulant function when it binds to CD141, and the CD141/thrombin complex is able to activate Protein C.

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